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	DB=PG	PB,USPT,USOC,EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ	
	L7	(acetylglycosamine -1- phosphotransferase) or GlcNAc phosphotransferase	22
	DB=US	PT; PLUR=YES; OP=ADJ	
	L2	6534300	2
	L1	6800472	1

END OF SEARCH HISTORY

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Search Results - Record(s) 1 through 10 of 22 returned.

1. Document ID: US 20040071686 A1

Using default format because multiple data bases are involved.

L7: Entry 1 of 22

File: PGPB

Apr 15, 2004

Aug 7, 2003

PGPUB-DOCUMENT-NUMBER: 20040071686

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040071686 A1

TITLE: Treatment of alpha-galactosidase A deficiency

PUBLICATION-DATE: April 15, 2004

INVENTOR-INFORMATION:

NAME CITY STATE COUNTRY RULE-47
Treco, Douglas A. Arlington MA US
Loveday, Kenneth Brookline MA US

Borowski, Marianne Winthrop MA US

US-CL-CURRENT: 424/94.61

Füll	Title	e Citation Front Review Classification Date Reference Sequences Attachments Claims KWC Drawi De
	2.	Document ID: US 20030148997 A1

File: PGPB

L7: Entry 2 of 22

PGPUB-DOCUMENT-NUMBER: 20030148997

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030148997 A1

TITLE: Fluorinated glucosamine analogs useful for modulating post-translational

glycosylations on cells

PUBLICATION-DATE: August 7, 2003

INVENTOR-INFORMATION:

RULE-47 STATE COUNTRY CITY NAME MA US Sudbury Sackstein, Robert US Dimitroff, Charles J. Brookline MA NY US Bernacki, Ralph J. Elma NY US Sharma, Moheswar Amherst

h eb b g ee ef ef b e

Record List Display

Matta, Khushi L.

Williamsville

NY

Paul, Brajeswar

Williamsville

NY

US US

US-CL-CURRENT: 514/62; 514/161, 514/171, 514/406, 514/570, 536/53

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMC | Draw De

3. Document ID: US 20030148460 A1

L7: Entry 3 of 22

File: PGPB

Aug 7, 2003

PGPUB-DOCUMENT-NUMBER: 20030148460

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030148460 A1

TITLE: Phosphodiester alpha-GlcNAcase of the lysosomal targeting pathway

PUBLICATION-DATE: August 7, 2003

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY RULE-47

Canfield, William M.

Oklahoma City

ΟK

US

US-CL-CURRENT: 435/69.1; 435/196, 435/320.1, 435/325, 530/388.26, 536/23.2

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw De

4. Document ID: US 20030143669 A1

L7: Entry 4 of 22

File: PGPB

Jul 31, 2003

PGPUB-DOCUMENT-NUMBER: 20030143669

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030143669 A1

TITLE: Expression of lysosomal hydrolase in cells expressing pro-N-acetylglucosamine-1-phosphodiester alpha-N-acetyl glucosimanidase

PUBLICATION-DATE: July 31, 2003

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

RULE-47

Canfield, William

Oklahoma City

OK

US

Kornfeld, Stuart

Saint Louis

МО

US

US-CL-CURRENT: 435/69.1; 435/206, 435/320.1, 435/325, 536/23.2

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims NMC Draw De

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5. Document ID: US 20030133924 A1

L7: Entry 5 of 22

File: PGPB

Jul 17, 2003

PGPUB-DOCUMENT-NUMBER: 20030133924

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030133924 A1

TITLE: Highly phosphorylated acid beta-glucocerebrosidase and methods of treating

qaucher's disease

PUBLICATION-DATE: July 17, 2003

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

RULE-47

Canfield, William

Oklahoma City

OK

US

US-CL-CURRENT: 424/94.61; 435/206, 435/320.1, 435/325, 435/68.1, 435/69.1, 536/23.2

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KMC | Draw De

6. Document ID: US 20030124653 A1

L7: Entry 6 of 22

File: PGPB

Jul 3, 2003

PGPUB-DOCUMENT-NUMBER: 20030124653

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030124653 A1

TITLE: Method of producing glycoproteins having reduced complex carbohydrates in

mammalian cells

PUBLICATION-DATE: July 3, 2003

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

RULE-47

Canfield, William M.

Oklahoma City

OK

US

US-CL-CURRENT: $\underline{435/69.1}$; $\underline{424/731}$, $\underline{435/206}$, $\underline{435/320.1}$, $\underline{435/325}$, $\underline{536/23.2}$

Full Title Citation Front Review Classification Date Reference Sequences Atlachments Claims KMC Draw De

7. Document ID: US 20030124652 A1

L7: Entry 7 of 22

File: PGPB

Jul 3, 2003

PGPUB-DOCUMENT-NUMBER: 20030124652

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030124652 A1

h eb b g ee ef ef b

TITLE: Methods of producing high mannose glycoproteins in complex carbohydrate deficient cells

delicient celib

PUBLICATION-DATE: July 3, 2003

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

RULE-47

Canfield, William M.

Oklahoma City

OK

US

US-CL-CURRENT: 435/69.1; 424/731, 435/206, 435/320.1, 435/325, 536/23.2

Full Title Citation	Front Review	Classification	Date Reference	Sequences Attachments	Claims KMC Draw De

8. Document ID: US 20030119088 A1

L7: Entry 8 of 22

File: PGPB

Jun 26, 2003

PGPUB-DOCUMENT-NUMBER: 20030119088

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030119088 A1

TITLE: Soluble GlcNAc phosphotransferase

PUBLICATION-DATE: June 26, 2003

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

RULE-47

Canfield, William

Oklahoma City

ΟK

US

Kudo, Mariko

Oklahoma City

OK

US

US-CL-CURRENT: 435/68.1; 424/94.5, 435/193, 435/206, 435/320.1, 435/325, 435/69.1, 536/23.2

Full	Title	e Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw De
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	9.	Document ID: US 20030113894 A1

File: PGPB

PGPUB-DOCUMENT-NUMBER: 20030113894 PGPUB-FILING-TYPE: new

L7: Entry 9 of 22

DOCUMENT-IDENTIFIER: US 20030113894 A1

TITLE: Treatment of alpha-galactosidase a deficiency

PUBLICATION-DATE: June 19, 2003

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

RULE-47

Jun 19, 2003

Selden, Richard F.

Wellesley

MA

US

h eb bgeeef e f ef b

Borowski, Marianne	Winthrop	MA	US
Kinoshita, Carol M.	Bedford	MA	US
Treco, Douglas A.	Arlington	MA	US
Williams, Melanie D.	Natick	MA	US
Schuetz, Thomas J.	Framingham	MA	US
Daniel, Peter F.	Natick	MA	US

US-CL-CURRENT: <u>435/207</u>

Full Title	Citation Front Review Classification Date	Reference Sequences Attachments (Claims KMC Draw De
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L7: Entry	10 of 22	File: PGPB	Apr 24, 2003

PGPUB-DOCUMENT-NUMBER: 20030077806

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030077806 A1

TITLE: Treatment of alpha-galactosidase a deficiency

PUBLICATION-DATE: April 24, 2003

INVENTOR-INFORMATION: RULE-47 CITY STATE COUNTRY NAME ÙS Wellesley MA Selden, Richard F. US Winthrop MA Borowski, Marianne Bedford MΑ US Kinoshita, Carol M. MA US Arlington Treco, Douglas A. Natick MΑ US Williams, Melanie D. US MASchuetz, Thomas J. Framingham

Natick

US-CL-CURRENT: 435/207

Daniel, Peter F.

Full Title Citation Front Review Classification Date Reference Sequences	Attachments Claims Ki	MC Draw
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Search Results - Record(s) 11 through 20 of 22 returned.

11. Document ID: US 20020150981 A1

Using default format because multiple data bases are involved.

L7: Entry 11 of 22

File: PGPB

Oct 17, 2002

PGPUB-DOCUMENT-NUMBER: 20020150981

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020150981 A1

TITLE: Methods for producing highly phosphorylated lysosomal hydrolases

PUBLICATION-DATE: October 17, 2002

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

RULE-47

Canfield, William M.

Oklahoma City

ок

US

US-CL-CURRENT: 435/69.1; 435/206, 435/68.1

Full Title Citation Front Revi	ew Classification Date Reference	Sequences Attachments Claims KWC	Drawe De
		•	

12. Document ID: US 20020025550 A1

L7: Entry 12 of 22

File: PGPB

Feb 28, 2002

PGPUB-DOCUMENT-NUMBER: 20020025550

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020025550 A1

TITLE: Methods for producing highly phosphorylated lysosomal hydrolases

PUBLICATION-DATE: February 28, 2002

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

RULE-47

Canfield, William M.

Oklahoma City

ок

US

US-CL-CURRENT: 435/68.1; 424/94.61, 435/201

Full Title Citation Front	Review Classification	Date Reference	Sequences Attachn	nerits Claims KWC Draw De
		· · · · · · · · · · · · · · · · · · ·		

13. Document ID: US 6800472 B2

L7: Entry 13 of 22

File: USPT

Oct 5, 2004

Dec 30, 2003

US-PAT-NO: 6800472

DOCUMENT-IDENTIFIER: US 6800472 B2

TITLE: Expression of lysosomal hydrolase in cells expressing pro-N-acetylglucosamine-1-phosphodiester .alpha.-N-acetyl glucosimanidase

Full Title Citation Front Review Classification Date Reference Claims KWIC Draw Do

14. Document ID: US 6770468 B1

L7: Entry 14 of 22 File: USPT Aug 3, 2004

US-PAT-NO: 6770468

DOCUMENT-IDENTIFIER: US 6770468 B1

TITLE: Phosphodiester-a-GlcNAcase of the lysosomal targeting pathway

File: USPT

US-PAT-NO: 6670165

DOCUMENT-IDENTIFIER: US 6670165 B2

L7: Entry 15 of 22

TITLE: Methods for producing highly phosphorylated lysosomal hydrolases

Full Title Citation Front Review Classification Date Reference Claims KWC Draw De

US-PAT-NO: 6642038

DOCUMENT-IDENTIFIER: US 6642038 B1

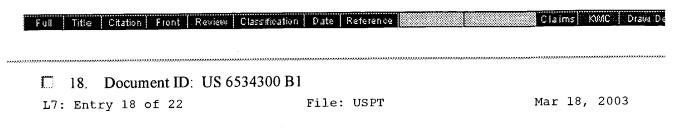
TITLE: GlcNAc phosphotransferase of the lysosomal targeting pathway

Full Title Citation Front Review Classification Date Reference Claims KMMC Draw De

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DOCUMENT-IDENTIFIER: US 6537785 B1

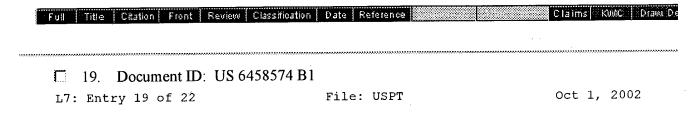
TITLE: Methods of treating lysosomal storage diseases



US-PAT-NO: 6534300

DOCUMENT-IDENTIFIER: US 6534300 B1

TITLE: Methods for producing highly phosphorylated lysosomal hydrolases

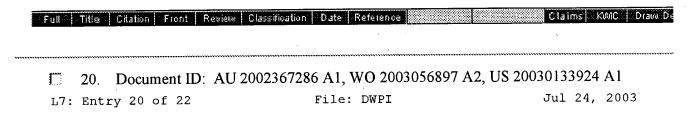


US-PAT-NO: 6458574

DOCUMENT-IDENTIFIER: US 6458574 B1

** See image for Certificate of Correction **

TITLE: Treatment of a .alpha.-galactosidase a deficiency

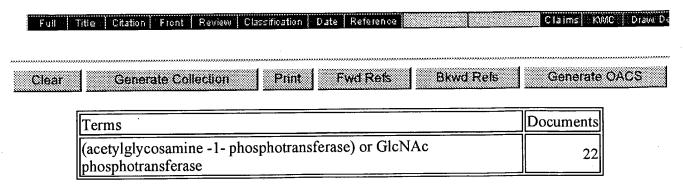


DERWENT-ACC-NO: 2003-587057

DERWENT-WEEK: 200421

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TITLE: Preparing a highly phosphorylated acid beta-glucocerebrosidase for treating Gaucher's disease comprises contacting an acid beta-glucocerebrosidase with N-acetylglucosaminyl (GlcNAc) phosphotransferase and phosphodiester alpha-GlcNAcase



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Search Results - Record(s) 21 through 22 of 22 returned.

21. Document ID: AU 2002367287 A1, US 20030119088 A1, WO 2003057826 A2 Using default format because multiple data bases are involved.

L7: Entry 21 of 22

File: DWPI

Jul 24, 2003

DERWENT-ACC-NO: 2003-801323

DERWENT-WEEK: 200421

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TITLE: Phosphorylating a protein for treating a patient suffering from a lysosomal

storage disease e.g. Fabry's disease by contacting the protein with a soluble

GlcNAc-phosphotransferase and producing a phosphorylated protein

INVENTOR: CANFIELD, W M; KUDO, M ; CANFIELD, W

PRIORITY-DATA: 2001US-0023888 (December 21, 2001)

Title Citation Front Review Classification Date Reference

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
AU 2002367287 A1	July 24, 2003	•	000	C12P021/06
US 20030119088 A1	June 26, 2003		055	C12P021/06
WO 2003057826 A2	July 17, 2003	E	000	C12N000/00

INT-CL (IPC): A61 K 38/51; C07 H 21/04; C12 N 0/00; C12 N 5/06; C12 N 9/10; C12 N 9/36; C12 P 21/02; C12 P 21/06

•	

	22. Document ID: MX 2002002901 A1, WO 200119955 A2, AU 200073303 A, US
	20020025550 A1, EP 1224266 A2, BR 200014514 A, US 20020150981 A1, JP 2003509043 W,
	US 6534300 B1, US 6537785 B1, US 20030148460 A1, US 6642038 B1, US 6670165 B2, US

L7: Entry 22 of 22

File: DWPI

Dec 1, 2003

DERWENT-ACC-NO: 2001-290356

DERWENT-WEEK: 200470

6770468 B1

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TITLE: Novel N-acetylglucosamine-1-phosphotransferase and N-acetylglucosamine-1-phosphodiester alpha-N-Acetylglucosaminidase, useful for producing phosphorylated lysosomal hydrolase for treating lysosomal storage diseases

Full Title Citation Front Review Classification Date Reference Claims KMC Draw Do

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                  resulting in a closer connection to BABS
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                  fields
                 CAplus and CA patent records enhanced with European and Japan
         AUG 02
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                  The Analysis Edition of STN Express with Discover!
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                  (Version 7.01 for Windows) now available
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         AUG 27
                  BIOTECHABS/BIOTECHDS: Two new display fields added for legal
         AUG 27
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                  status data from INPADOC
                 INPADOC: New family current-awareness alert (SDI) available
         SEP 01
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                 New pricing for the Save Answers for SciFinder Wizard within
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         SEP 27
NEWS 12
         SEP 27
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         OCT 28
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         NOV 18
NEWS 15
                  search transcripts to be affected by CERAB, COMPUAB, ELCOM,
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               MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP)
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L3
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     Leroy, Jules G. [Reprint Author]
ΑU
     Department of Molecular and Human Genetics, Baylor College of Medicine,
CS
     Houston, TX, USA
     American Journal of Medical Genetics, (September 15 2003) Vol. 122A, No.
SO
     1, pp. 92-93. print.
     IŚSN: 0148-7299 (ISSN print).
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     ANSWER 2 OF 17 HCAPLUS COPYRIGHT 2004 ACS on STN
L3
     2003:550993 HCAPLUS
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     Method for production of highly phosphorylated
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TI
     .beta.-glucocerebrosidase (GBA), and use of GBA in treating bone or lung
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Canfield, William
TN
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PA
     U.S. Pat. Appl. Publ., 54 pp.
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DT
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                               acetylglucosamine-1-phosphotransferase containing
     Soluble
                ***human***
TT
     an artificial proteolytic cleavage site to generate .alpha. and .beta.
     subunits
     Canfield, William; Kudo, Mariko
IN
     Novazyme Pharmaceuticals, Inc., USA
PA
     U.S. Pat. Appl. Publ., 55 pp.
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                          ***GlcNAc*** -1- ***phosphotransferase***
     Lysosomal enzyme
TI
     Nishikawa, Atsushi [Reprint author]
ΑU
     Department of Applied Biological Science, Tokyo University of Agriculture
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     nishikaw@cc.tuat.ac.jp
     Taniguchi, Naoyuki [Editor]; Honke, Koichi [Editor]; Fukuda, Minoru
S0
     [Editor]. (2002) pp. 611-616. Handbook of glycosyltransferases and related
     genes. Edition 1. print.
     Publisher: Springer-Verlag Tokyo Inc., 3-13 Hongo, Bunkyo-ku, Tokyo,
     113-0033, Japan; Springer-Verlag New York Inc., 175 Fifth Avenue, New
     York, NY, 10010-7858, USA.
     ISBN: 4-431-70311-X (cloth).
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AN
      Novel N-acetylglucosamine-1-phosphotransferase and N-acetylglucosamine-1-
TI
      phosphodiester-alpha-N-acetylglucosaminidase, useful for producing
      phosphorylated lysosomal hydrolase for treating lysosomal storage
      diseases:
          vector-mediated gene transfer and expression in host cell, monoclonal
          antibody and hybridoma
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AU
PA
      Canfield W M
      Oklahoma City, OK, USA.
WO 2001019955_22_Mar 2001
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GΑ
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    OHHIRA M; GASA S (Reprint); MAKITA A; SEKIYA C; NAMIKI M
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    HOKKAIDO UNIV, SCH MED, INST CANC, BIOCHEM LAB, KITA KU, N15W7, SAPPORO,
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